INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/36753

A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : B66B 11/02			
US CL: 187/401 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S.: 187/401, 402, 414			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *			Relevant to claim No.
x	US 5,564,529 A (Ericson et al.) 15 October 1996, Figure 2.		1, 2, 5, 12 and 17-20
	HS 4 261 200 A (Indiana et al.) 20 November 1002 - Firmer 1		
X	US 4,361,208 A (Jackson et al.) 30 November 198	1-5, 7, 11-15 and 17- 20	
A	JP 5-43162 A (Hitachi Building) 23 February 1993, Figures 1-5.		1-20
, "	The state of the s		1-20
l x	JP 52-55145 A (Hitachi Ltd) 06 May 1977, Figure 1.		1-5, 7, 12, 15 and 17-
į			20
1			
Purther documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T" later document published after the international filing date or priority			mational filing date or priority
		date and not in conflict with the applic	ation but cited to understand the
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specified)		considered to involve an inventive step	when the document is
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P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed			family
Date of the actual completion of the international search Date of mailing of the international search report			
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19 April 2004 (19.04.2004)		17 MAY 2004	
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